

IN THE SPECIFICATION:

At page 1, lines 3-10 please delete the current paragraphs and replace them with the following amended paragraphs:

--Background of the Invention**a) Field of the Invention**

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The invention is directed to a method for producing a light integrator and to a light integrator for homogenizing a light bundle entering an input surface and exiting from an output surface. The invention is further directed to a use of this method.

b) Description of the Invention

Light integrators are known. In principle, they comprise a body which is coated uniformly by reflecting material in which the light is introduced, the light is then repeatedly reflected back and forth at the reflecting surfaces. Because of the multiple reflection, the origin of the light for the light bundles exiting at the output is lost to a great extent. In this way, a homogenized illumination surface is achieved.--

At page 3 lines 10-12 please delete the current paragraph and replace it with the following amended paragraph:

--Object and Summary of the Invention

b2
It is the summary object of the invention to provide an integrator which is optimized with respect to the amount of light that is transmitted, but which does not have the disadvantages of a totally reflecting rod.--

At page 6, lines 22-27 please delete the current paragraph and replace it with the following amended paragraph:

--Brief Description of the Drawings


 Fig. 1 is a schematic view illustrating the manner of operation of a light integrator using the example of projection with a matrix, particularly a tilting mirror matrix;

Fig. 2 shows a perspective view of an integrator according to the invention;

Fig. 3 shows a front view of the integrator of Fig. 2;

Fig. 4 shows another embodiment example for an integrator according to the invention.--
